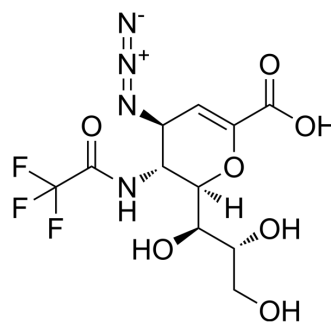


Neuraminidase-IN-12

Cat. No.:	HY-149057
CAS No.:	2218480-15-8
Molecular Formula:	C ₁₁ H ₁₃ F ₃ N ₄ O ₇
Molecular Weight:	370.24
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NDV-IN-1 is an antiviral agent with high neuraminidase inhibitory activity. NDV-IN-1 exhibits in vitro inhibitory activity against Newcastle disease virus (NDV). NDV-IN-1 significantly inhibits NDV infection of Vero cells by preventing the release of virus particles from infected cells ^[1] . Neuraminidase-IN-12 is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.
IC₅₀ & Target	Neuraminidase ^[1]

REFERENCES

[1]. Rota P, et al. Design, Synthesis, and Antiviral Evaluation of Sialic Acid Derivatives as Inhibitors of Newcastle Disease Virus Hemagglutinin-Neuraminidase: A Translational Study on Human Parainfluenza Viruses. ACS Infect Dis. 2023 Mar 10;9(3):617-630.

Caution: Product has not been fully validated for medical applications. For research use only.

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